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**To:** [Kristine Koch/R10/USEPA/US@EPA](#); [Carl Stivers](#)  
**Cc:** [Chip Humphrey/R10/USEPA/US@EPA](#); [Eric Blischke/R10/USEPA/US@EPA](#); [GAINER Tom](#); [John Edwards](#); [James Peale](#); [LARSEN Henning](#); [Michael Riley](#); [Rene Fuentes/R10/USEPA/US@EPA](#); [Bob Wyatt](#); [Rob Ede](#); [T McCue](#)  
**Subject:** RE: Nov. 18 Meeting Notes - NWN, DEQ, EPA Gasco Meeting  
**Date:** 12/08/2008 04:43 PM  
**Attachments:** [Gasco Meeting Notes Nov 18 2008 draft-deq comments.doc.doc](#)

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Good afternoon.

DEQ has gone through the November 18th meeting notes and inserted clarifying comments in blue.

With this e-mail and EPA's December 2nd e-mail, DEQ understands the topics presented by the EPA team for discussion during the November 18th meeting have been resolved for purposes of moving forward with the vibration study and interim design phase of groundwater and DNAPL source control measures. The vibration study is the last source control measures design support study needed before the interim design report is prepared and submitted for EPA and DEQ review.

DEQ appreciates the time and effort provided by the EPA and NW Natural teams to work through source control planning and design topics needing further discussion and clarification.

Please feel free to contact me with questions regarding this e-mail and/or attachment.

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-----Original Message-----

From: Koch.Kristine@epamail.epa.gov [mailto:[Koch.Kristine@epamail.epa.gov](mailto:Koch.Kristine@epamail.epa.gov)]  
Sent: Tuesday, December 02, 2008 10:31 AM  
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Subject: Re: Nov. 18 Meeting Notes - NWN, DEQ, EPA Gasco Meeting

Carl, EPA has looked over the comments and believe that you accurately depicted the meeting. We do, however, have one clarifying comment...

o If the pump and treat system is an effective barrier, then EPA wondered why a short, partial and shallow wall, unkeyed to any aquitard wall is part of the design.

Regards,

Kristine Koch  
Remedial Project Manager  
USEPA, Office of Environmental Cleanup

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11/25/2008 04:13 PM

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Subject  
Nov. 18 Meeting Notes - NWN, DEQ, EPA Gasco Meeting

Dana - Here are the meeting notes that we discussed at this meeting. I have copied everyone who was present at the meeting.

Thanks.

Carl

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(See attached file: Gasco Meeting Notes Nov 18 2008 draft.doc)